

In the claims:

For the Examiner's convenience, all pending claims are presented below.

- 1 1. (Original) A method comprising:
2 receiving a first identification (ID) at a computer system from a server via a
3 transmission medium;
4 comparing the first ID with a second ID stored at a first analog front end coupled
5 to the computer system; and
6 certifying a first software-defined radio for operation if the first ID matches the
7 second ID.
- 1 2. (Original) The method of claim 1 further comprising disabling the first
2 software-defined radio if the first ID does not match the second ID.
- 1 3. (Original) The method of claim 1 further comprising storing the first ID in a
2 memory device within a baseband unit at the computer system prior to comparing the
3 first ID with the second ID.
- 1 4. (Original) The method of claim 1 further comprising downloading a protocol
2 corresponding with the first software-defined radio.
- 1 5. (Original) The method of claim 4 wherein the first ID and the wireless
2 protocol are received as a component of a signed manifest.
- 1 6. (Original) The method of claim 5 further comprising:
2 validating the signed manifest; and
3 executing the protocol at a baseband unit if the manifest is validated.
- 1 7. (Original) The method of claim 1 further comprising:
2 receiving a third identification (ID) at the computer system from the server via the

transmission medium;
comparing the third ID with a fourth ID stored at a second analog front end
coupled to the computer system; and
certifying a second software-defined radio for operation if the third ID matches
the fourth ID.

8. (Original) A computer system comprising a first software-defined radio
including:
a baseband unit; and
a first analog front-end coupled to the baseband unit;
the first software-defined radio being certified for operation by authenticating a
first identification (ID) received at the baseband unit with a second ID stored at the first
analog front end.

9. (Original) The computer system of claim 8 further comprising:
an input/output (I/O) bus coupled to the baseband unit; and
a network controller coupled to the I/O bus.

10. (Original) The computer system of claim 9 wherein the first ID is received
from a server computer via a transmission medium coupled to the network controller.

11. (Original) The computer system of claim 10 wherein a protocol
corresponding to the first software-defined radio is also received from the server
computer.

12. (Original) The computer system of claim 9 wherein the baseband unit
comprises:
an I/O interface coupled to the I/O bus;
a digital signal processor (DSP) coupled to the I/O interface; and

5 a second bus coupled to the DSP.

1 13. (Original) The computer system of claim 12 wherein the baseband unit
2 further comprises:

3 a volatile memory coupled to the DSP; and

4 a non-volatile memory coupled to the DSP.

1 14. (Original) The computer system of claim 12 wherein the analog front end
2 comprises:

3 analog-digital/digital-analog (AD/DA) conversion logic coupled to the second
4 bus;

5 modulation logic coupled to the AD/DA conversion logic;

6 a transceiver coupled to the modulation logic; and

7 an antenna coupled to the transceiver.

1 15. (Original) The computer system of claim 14 wherein the analog front end
2 comprises a non-volatile memory that stores the second ID.

1 16. (Original) The computer system of claim 12 further comprising a second
2 software-defined radio including:

3 the baseband unit; and

4 a second analog front-end coupled to the baseband unit;

5 the second software-defined radio being certified for operation by authenticating a
6 third ID received at the baseband unit with a fourth ID stored at the second analog front
7 end.

1 17. (Original) A network comprising:

2 a first client computer;

3 a transmission medium coupled to the first client computer; and

4 a server computer, coupled to the transmission medium, that transmits first
5 identification (ID) data to the first client computer upon receiving a request from the
6 client computer to certify a first software-defined radio implemented at the first client
7 computer.

1 18. (Original) The network of claim 17 further comprising a second client
2 computer coupled to the transmission medium, the server computer transmits the first ID
3 data to the second client computer upon receiving a request from the second client
4 computer to certify the first software-defined radio implemented at the second client
5 computer.

1 19. (Original) The network of claim 17 wherein the server computer transmits
2 second ID data to the first client computer upon receiving a request from the first client
3 computer to certify a second software-defined radio implemented at the first client
4 computer.

1 20. (Original) A method comprising:
2 receiving a request at a server computer to certify a first software-defined radio
3 implemented at a first client computer; and
4 transmitting first identification (ID) data corresponding to the first software-
5 defined radio to the first client computer.

1 21. (Previously Presented) The method of claim 21 further comprising
2 transmitting a radio protocol corresponding to first software-defined radio to the first
3 client.

1 22. (Original) The method of claim 20 further comprising:
2 receiving a request at the server computer to certify the first software-defined
3 radio implemented at a second client computer; and

4 transmitting the first ID data to the second client computer.

1 23. (Original) The method of claim 20 further comprising:

2 receiving a request at the server computer to certify a second software-defined

3 radio implemented at the first client computer; and

4 transmitting second ID data corresponding to the second software-defined radio to

5 the second client computer.